

47. New Species of Trinidad Moths. By W. J. KAYE, F.E.S.*

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(Plate I.†)

The moths here described and figured were all (except one, *Centronia plorator*, caught by myself) taken by Sir Norman Lamont in the south of the island of Trinidad. Most likely, all the species will some day also be found on the mainland in either Venezuela or Guiana, as, except for numerous local races, one would not expect distinct island species such as are found in Oceanic islands, Trinidad being essentially a recently detached portion of Venezuela. Doubtless, there are numbers of species still unknown and undescribed, and very much work remains to be done before we can even approximately guess the number of genera and species that exist.

Family HYPSIDÆ.

CENTRONIA PLORATOR, sp. n. (Pl. I. fig. 3.)

♀. Base of eyes and base of palpi orange. Antennæ filiform. Abdomen black with the segments below ringed with white. Fore wing black with a postmedian curved white band commencing very narrow on the costa but rapidly widening to about 3 mm. wide as far as vein 4, where it rapidly contracts and becomes suffused with black to extreme angle of wings. Veins showing grey on inner side of white band. Hind wing dark bluish black with a narrow whitish marginal band, suffused with black as far as vein 5, where it suddenly ceases. Below, the white band of both fore and hind wing completely white without any suffusion. Exp. 44 mm.

Habitat. Trinidad, Siparia, 18. xi. 20 (*W. J. Kaye*). In Coll. B.M.

Family NOTODONTIDÆ.

DICENTRIA NONDESCRIPTA, sp. n. (Pl. I. fig. 9.)

Head brown with a fan-shaped tuft of raised hair behind antennæ. Fore wing dark chocolate-brown with greenish-yellow shades, especially on costa beyond middle. Discoidal spot not conspicuous, of the same ground-colour as wing and edged on both inner and outer edges with greenish yellow. An indistinct slender pale line consisting of lunules beyond middle. Subterminal line also of pale lunules. A very ill-defined double submedian line, becoming lost in the ground-colour soon after leaving the cell. Hind wing pearly transparent with the apex

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† For explanation of the Plate, see p. 998.

darker. Inner margin also dark and a pale but distinct mark just below anal angle. Fore wing below shining blackish. Hind wing below shining whitish with a small dark mark in the middle of costa. Exp. 54 mm.

Habitat. Trinidad, Palmiste, 25. xii. 20 (*N. Lamont*).

BORIZA KALODONTA, sp. n. (Pl. I. fig. 13.)

Fore wing greenish grey mixed with slaty purplish. A conspicuous, elliptical, pale tawny spot between veins 2 and 4 near margin. Basal area to end or beyond cell slaty grey with three parallel wavy lines. A short, slender, black dash. Inner margin pale greenish. Outer margin broadly paler than rest of wing, with the veins showing through conspicuously. A small black dot between veins 3, 4, and another between veins 6, 7. Hind wing white with the costa narrowly dark brown, divided at middle with white. Thorax olive-brown. Fore wing below white with the veins 5, 6, and 7 heavily smoky. Costa immediately above pale tawny. Hind wing below pure white. Exp. 40 mm.

Habitat. Trinidad, Palmiste, 30. x. 11 (*N. Lamont*).

PHASTIA MARICOLOR, sp. n. (Pl. I. fig. 12.)

Fore wing pale sea-green. Discoidal spot purplish white. Subterminal series of large irregular spots, purple on the inside and white exteriorly. A short purplish basal streak. Beyond this is a faint ill-defined band, becoming very broad on inner margin, of a darker shade of green to the ground-colour. Beyond discoidal spot is also a poorly-defined narrow band. Thorax of same ground-colour as fore wing. Hind wing very pale grey, darker towards the outer margin. Under surface of both fore and hind wing yellowish white, the whole of the fore wing except the narrow inner margin dusted with blackish. Fore legs with the first joint of the tarsus clothed with yellowish-green hair. Exp. 42 mm.

Habitat. Trinidad (*N. Lamont*).

RIFARGIA BRUNNIPENNIS. (Pl. I. fig. 11.)

Fore wing dark burnt-umber with a purplish shade, with the basal half the darkest. A short dark basal streak. Costa near apex and inner margin except at base tawny. A conspicuous, little, white, wedge-shaped mark between veins 2, 3 close to margin. Veins 4, 5, and 6 edged with tawny. Hind wing brownish grey, darker towards outer margin and darkest at anal angle. A very inconspicuous postdiscal line, becoming duplicated on vein 3 to inner margin. Fore wing below dull blackish. Hind wing below as above. Cilia black at termination of veins. Thorax tawny. Abdomen rather darker. Exp. 46 mm.

Habitat. Trinidad, Palmiste, 25. xii. 20 (*N. Lamont*).

Family NOCTUIDÆ.

Subfamily ERASTRINÆ.

BRYOLIMNIA MONODONTA, sp. n. (Pl. I. fig. 20.)

Third joint of palpi, frons, and base of antennæ white. Thorax light brown with a pair of white tufts behind. Fore wing with the base chocolate-coloured, followed by a broad pure white band deeply toothed on outer edge and with a small chocolate spot on costa. Postdiscal area chocolate, lighter towards inner margin and darkening towards costa. Cilia white, with a square dark spot about middle and with the tornus chocolate. Hind wing smoky greyish black, the apical area much the darkest. Discoidal spot indistinct, blackish. Abdomen greyish black. Exp. 26 mm.

Habitat. Trinidad, Siparia, 16. vi. 18 (*N. Lamont*).

BRYOCODIA CRYPTOGRAMMA, sp. n. (Pl. I. fig. 19.)

Palpi with the first joint brown, the second and third whitish with dark brown marks. Fore wing dull olive greenish with pink and brown markings. A dark mark at base and a heavy brown basal line. A median fascia most prominent at costa and much broken at and beyond middle. A postmedian, thin, much-curved line, most prominent on veins 1, 2 and 4, 5. A dark curved apical fascia and a dark brown spot at tornus. Hind wing coloured as fore wing, with double submedian brown lines and a deeply curved postmedian single line. Underside of fore wing below cream-coloured with dark median and postmedian lines; a broad outer marginal fascia dark brown. Hind wing below coloured as fore wing, except that in the region of the anal angle the dark brown fascia is broken up with the pale ground-colour. Exp. 28 mm.

Habitat. Trinidad: Caparo, Oct. 1904 (*Birch*); Palmiste, 27. xi. 15 (*N. Lamont*).

PARANGITIA NIGROFULGENS, sp. n. (Pl. I. fig. 5.)

Palpi, collar, and patagia yellowish brown. Abdomen fawn-coloured. Fore wing dark shining coppery black. A double indistinct wavy black line close to base. Apex lighter than rest of wing and followed by indistinct double black lines. A curiously placed black angular mark on vein 2 close to edge of cell. Hind wing black with the whole of the large inner area dark cupreous grey. Fore wing below dull black with the inner marginal area paler. Underside of hind wing rather dark slaty grey with a darker marginal band. Exp. 24 mm.

Habitat. Trinidad (*N. Lamont*).

PARANGITIA MICAPENNIS, sp. n. (Pl. I. fig. 2.)

Fore wing shining brownish olive. A large apical area, extending along costa to above end of cell and to tornus, paler with several short dark dashes. Discal spot uniform pale with a short black dash at its lower extremity externally. Opposite and close to outer margin a small black spot. Above these marks in certain lights are to be seen three short, parallel, brown dashes. Two short wavy lines above one another emanating from the outer margin. Hind wing blackish brown with a broad dark marginal band and a small yellow elongated mark at anal angle. Thorax with long raised scales. Abdomen with a raised tuft on third segment. Exp. 30 mm.

Habitat. Trinidad (*N. Lamont*).

Subfamily NOCTUINÆ.

SANYS IMPLACATA, sp. n. (Pl. I. fig. 17.)

Head, thorax, and abdomen pale brownish white. Fore wing narrow with the apex and inner margin rounded, pale brownish, darkest on the costa. A small blackish dot at origin of vein 2. A straight brown line across basal area and a slightly oblique postmedian line. A wavy double submarginal line greatly angled near tornus and a series of dark dots on margin. Hind wing similarly coloured to fore wing. A well-marked straight line across centre of wing, stopping at vein 6. A wavy, partly double, subterminal line much broken from vein 5 to apex. Exp. 30 mm.

Habitat. Trinidad (*N. Lamont*).

PLUSIODONTA CUPRISTRIA, sp. n. (Pl. I. fig. 16.)

Fore wing dark purplish. A large burnished-copper patch at tornus and a central stria of same colour from the cell to the "tooth" of the inner margin. A pale oblique streak from apex to vein 2. At apex the streak is reflexed to costa. Thorax purplish. Two short subcostal streaks before apical streak. A small shade of copper-colour in middle of outer margin. Hind wing white with a broad dark margin, shading off internally with the white ground-colour. Underside of fore wing dark brown with the costa narrowly pinkish ochreous. Hind wing below white with only a small dark area at apex. Exp. 40 mm.

Habitat. Trinidad, Palmiste, 8. i. 21 (*N. Lamont*).

Subfamily DELTOIDINÆ.

EPTOMIPTERA PURPURASCENS, sp. n. (Pl. I. figs. 4, 23.)

Fore wing purplish with a broad, somewhat darker, central fascia, greenish on inner side from inner margin for half the length of wing. A slender wavy pencil-line within the fascia a little beyond middle. Outer edge of fascia very sinuous and

a slight greenish flush near tornus. Extreme apex with a short dark mark followed by a dark greenish-purple patch. Close to base a small dark dot. Hind wing purplish brown with a central dot followed by a dark indistinct line. Hind wing beneath much paler, and, in addition to the dot and dark line, there is a broad marginal fascia enclosing a pale wing-line. Exp. 28 mm.

Habitat. Trinidad.

EPITOMIPTERA MARMORATA, sp. n. (Pl. I. fig. 6.)

Fore wing various shades of pale brown with white lines. Extreme base pale followed by light brown fascia edged exteriorly with a sharply-defined white line sharply angled near inner margin. Central broad fascia darker than basal band, but also edged with a white line which is broken and very incomplete in central area but well-defined near costa and inner margin. Apex much mottled with white and brown followed by a wavy short white line. Hind wing pale light brown with a dark central oblique shade, followed by a short much-angled white mark, followed again by a slender white wavy line. Exp. 25 mm.

Habitat. Trinidad, Guaico, 18. iv. 15 (*N. Lamont*).

HYPENA BRODESCENS, sp. n. (Pl. I. fig. 8.)

Head, thorax, patagia, and metathorax very dark brown. Abdomen blackish brown with darker dorsal tufts of hair on the first four segments. Fore wing olivaceous dark brown with an oblique basal whitish line; a median broader straight white line. A postmedian series of yellowish spots on the veins and a very fine subterminal pale dotted line. Hind wing dull blackish with a pale bluish submarginal line most distinct between veins 1 and 3. Exp. 36 mm.

Habitat. Trinidad: Caparo, Nov. 1904 (*F. Birch*); Palmiste, 14. v. 21 (*N. Lamont*) (type), 20. xii. 21 (*N. Lamont*).

Family LIMACODIDÆ.

SISYROSEA GUAICA, sp. n. (Pl. I. fig. 15.)

Head and collar light brick-red. Thorax fawn-coloured; abdomen fawn-coloured with a reddish dorsal shade. Fore wing pale pinkish buff. A small black spot at the base of the cell and another black spot close to outer margin lying on vein 4. Cilia shining buff-colour. Hind wing buff, the cilia of the same colour. Underside of fore wing buff, with some darker shading towards costa. Underside of hind wing buff. Exp. 34 mm.

Habitat. Trinidad, Guaico, 18. ix. 15 (*N. Lamont*).

Family LASIOCAMPIDÆ.

HYDRIAS ALBIOCHREA, sp. n. (Pl. I. fig. 14.)

Head and thorax grey with some ochreous hairs. Fore wing

rather pale brown with scattered grey scaling. At base a short black streak above which is an irregularly-shaped greyish patch. This on costa is followed by two short curved lines. Some very indistinct, slender, wavy lines across the discal area, with the veins showing darker. Hind wing with the costal third greyish white with two or three indications of transverse lines. Basal two-thirds of wing tawny, pale at outer margin. Abdomen tawny, with some black scaling on the three basal segments. Exp. 42 mm.

Habitat. Trinidad, Port of Spain, 27.i.21 (*N. Lamont*).

Family URANIADÆ.

SYNGRIA DELICATA, sp. n. (Pl. I. fig. 7.)

Collar whitish. Thorax and abdomen pinkish fawn-colour, irrorated with minute black dots. Fore wing pinkish fawn-colour. Discoidal spot small, black, lunar-shaped, externally edged with pale cream-colour. A submedian, very indistinct, orange line running very obliquely. A very distinct postmedian ochreous line, palish-edged internally, also very oblique and sharply angled just below vein 6. Margin sharply defined ochreous, edged with pale colour internally. Hind wing pinkish fawn with fine irroration of black dots. Very indistinct sub- and post-median ochreous lines. Margins as in fore wing. Fore and hind wing below without markings, except the fine black dusting, which is less than on upper side. Exp. 36 mm.

Habitat. Trinidad, Palmiste, June 1915 (*N. Lamont*).

Family PYRALIDÆ.

Subfamily POCOCERINÆ (= *Epipaschianæ*).

POCOCERA BRUNNAPEX, sp. n. (Pl. I. fig. 1.)

Head and thorax reddish brown. Abdomen pale brown. Fore wing with basal third pinkish brown with some short darker longitudinal lines terminated by a somewhat sinuous silvery-grey line. Discal area of wing silvery grey, containing a much waved slender line in middle. A darker shade before outer margin and a dark reddish-brown apex with the veins showing through, heavily scaled with blackish brown. Hind wing pearly transparent with the apex blackish. Fore wing below with a dark red costa, and the remainder of the wing blackish. Hind wing below also with costa dark red, but otherwise as above. Exp. 38 mm.

Habitat. Trinidad, Guaico, 18. ix. 15 (*N. Lamont*).

Subfamily AGROTERINÆ (= *Pyraustinae*).

SAMEA DELICATA, sp. n. (Pl. I. fig. 22.)

Head pale straw-coloured. Patagia with dark brown spots on

frontal edge. Fore wing pale straw-coloured with two dark spots on costa close to base and some further minute points as far as end of cell. A submedian, a median, and a postmedian slender line. Beyond the last is a dark marginal band. Discoidal spot formed of a double ring, the one above the other. Hind wing pale straw-colour with three transverse lines, the inner one straight but oblique. The middle line greatly angulated in middle, and the last line greatly angulated beyond middle. A very fine dark subterminal line. Exp. 16 mm.

Habitat. Trinidad (*N. Lamont*).

PHOSTRIA DUPLICATA, sp. n. (Pl. I, fig. 21.)

Head and thorax dull ochreous brown. Fore wing ochreous brown. Basal line curved dark brown. Discoidal spot linear dark brown. Postmedian line heavy dark brown, greatly set-back between veins 2 and 3. Fine dark points at extremities of veins, and colour of wing beyond postmedian line darker somewhat than remainder. Hind wing darker than fore wing and blacker. A small dark spot within the cell and a curved median dark line, broken and waved between veins 2 and 3. Abdomen with the segments edged with white. Fore wing below buff with black discoidal spot and dotted postmedian line. Hind wing below buff with point in cell and faint indication of median line. Exp. 26 mm.

Habitat. Trinidad (*N. Lamont*).

Family ZYGÆNIDÆ.

Genus LAMONTIA.

Head small; antennæ long, slender, bipectinated. Abdomen small and rather slender. Fore wing long and narrow; veins 4, 5 very close together at origin; veins 8 and 9 stalked with 10, vein 11 weak, 12 strong. Hind wing with veins 4, 5 from same origin; vein 7 from a long way from 6. Outer margin of wing rounded. Vein 8 approaching very close to 7 and connected with the usual short bar.

LAMONTIA CALIBANA, sp. n. (Pl. I, fig. 18.)

Head, coxæ, pectus, and abdomen metallic greenish. Antennæ black, bipectinated to the tip. Collar and patagia with some pale mauve scales. Fore wing long and narrow, black at base and along the veins and costa, gradually becoming transparent (fugitive scaling) outwardly. Hind wing black, completely scaled, short, and much rounded. Exp. 30 mm.

Habitat. Trinidad, Rock, l. i. 18 (*N. Lamont*). In Coll. Lamont.

EXPLANATION OF THE PLATE.

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| Fig. 1. <i>Pococera brunnapex</i> , sp. n. | Pyrilidæ. |
| 2. <i>Parangitia micapennis</i> , sp. n. | Noctuidæ. |
| 3. <i>Centronia plorator</i> , sp. n. | Hypsidæ. |
| 4. <i>Epitomiptera purpurascens</i> , var. | Noctuidæ. |
| 5. <i>Parangitia nigrofulgens</i> , sp. n. | Noctuidæ. |
| 6. <i>Epitomiptera marmorata</i> , sp. n. | Noctuidæ. |
| 7. <i>Syngria delicata</i> , sp. n. | Uraniadæ. |
| 8. <i>Hypena brodescens</i> , sp. n. | Noctuidæ. |
| 9. <i>Dicentria nondescripta</i> , sp. n. | Notodontidæ. |
| 10. <i>Dicentria klagesi</i> Druce. | Notodontidæ. |
| 11. <i>Rifargia brunnipennis</i> , sp. n. | Notodontidæ. |
| 12. <i>Phastia maricolor</i> , sp. n. | Notodontidæ. |
| 13. <i>Boriza kalodonta</i> , sp. n. | Notodontidæ. |
| 14. <i>Hydrias albiochrea</i> , sp. n. | Lasiocampidæ. |
| 15. <i>Sisyrosea guaica</i> , sp. n. | Limacodidæ. |
| 16. <i>Plusiodonta cupristria</i> , sp. n. | Noctuidæ. |
| 17. <i>Sanys implicata</i> , sp. n. | Noctuidæ. |
| 18. <i>Lamontia calibana</i> , sp. n. | Zygænidæ. |
| 19. <i>Bryocodia cryptogramma</i> , sp. n. | Noctuidæ. |
| 20. <i>Bryolimnia monodonta</i> , sp. n. | Noctuidæ. |
| 21. <i>Phostria duplicata</i> , sp. n. | Pyrilidæ. |
| 22. <i>Samea delicata</i> , sp. n. | Pyrilidæ. |
| 23. <i>Epitomiptera purpurascens</i> , sp. n. | Noctuidæ. |